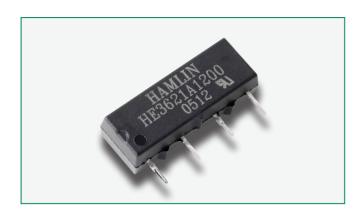


HE3600 Miniature Single In-line Reed Relay







Description

The HE3600 is a miniature reed relay in a SIL package with a normally open contacts capable of switching up to 200Vdc at 10W. It is available with 5V, 12V. and 24V coils and has external magnetic shield and diode suppressed coil options.

Features

- Miniature single in-line package
- Optional coil suppression diode to protect coil drive circuits
- Normally open contact version
- RoHS Compliant
- External magnetic shield option
- Diode suppression option

Agency Approvals

Agency	Agency File Number			
c FL °us	E47258			

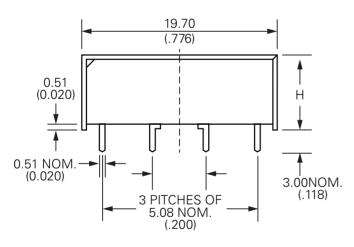
Note: Contact Littelfuse for specific agency approval ratings

Benefits

- Sub-miniature size and single in line configuration allows very high packing densities, minimizing space and cost
- Transfer molded package gives maximum component protection
- Lower power coil consumption than competing electromechanical
- · Hermetically sealed switching contact is immune to the effects of its environment

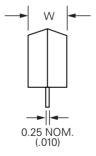
Dimensions

Dimensions in mm (inch)



Applications

- Security Systems
- Telecom Equipment
- Process Control Systems



- Automatic Test Equipment
- Instrumentation

Table 1: Dimension

Relay Type	Body Type	L	w	Н	
HE3600	Transfer Molded	19.05 (.750)	5.08 (.200)	7.45 (.293)	
	External Shield	19.70 (.776)	5.65 (.222)	7.87 (.310)	



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Table 2: Electrical and Operating Characteristics @ 25°C

Column Number	1		
Contact Type	Form A SPST-NO Standard		
Relay Types	HE3621A		
Contact Rating ¹	Power, Switching	Watt - max.	10
	Voltage, Switching	Vdc - max.	200
	Current, Switching	A - max.	0.5
	Current, Carry	A - max.	1.2
Voltage Hold-off ⁴	Across Open Contacts	Vdc - min.	250
	Contacts to Coil	Vac - min.	1500
	Between Isolated Terminals	Vac - min.	1500
Resistance ⁵	Contact, Initial Insulation Across Open Contacts Insulation Between Isolated Terminals	Ω max. Ω min. Ω min.	0.150 10 ¹⁰ 10 ¹⁰
Timing	Operate Time	ms - max.	1.0
	Release Time	ms - max.	1.0
Environmental	Temperature, Operating	°C	-40 to +85
	Temperature, Storage	°C	-40 to +105
	Vibration Resistance	G - max. 10-2000 Hz.	20
	Shock Resistance	G - max. 11 ms ½ sine	50

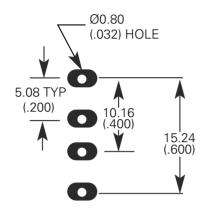
Table 3: Coil Characteristics @ 25°C

Contact Form and Type	Electrical and Operating Characteristics	Dimensions	Part Number	Nominal Coil Voltage Vdc	Coil Resistance ±10% Ohms	Must Operate Vdc	Must Release Vdc	Maximum Coil Voltage Vdc	Top View 2.54mm (0.1") Grid Dot on Case: Pin 1 Numbers not printed on case.
1A SPST-NO	See Table 2	See Table 1	HE3621	5 12 24	500 1000 2150	3.75 8.0 16.0	0.5 1.0 2.0	14 22 31	

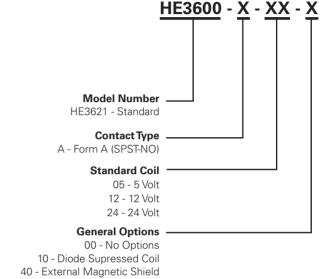


HE3600 Miniature Single In-line Reed Relay

HE3600 PCB LAYOUT (Bottom View)



Part Numbering System



50 - Ext. Magnetic Shield and Diode

Note: Not all combinations of Part Number suffixes are available. Contact Littelfuse for details.

Packaging

Packaging Option	Packaging Specification	Quantity	Quantity & Packaging Code	Taping Width
Bulk	Bulk	1000/5000	N/A	N/A